

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA Agreement, Name and No.

UNIT #891008900A

8. Lease Name and Well No.

NBU 921-13E

9. API Well No.

43-047-39244

10. Field and Pool, or Exploratory

NATURAL BUTTES

11. Sec., T., R., M., or Blk, and Survey or Area

SEC. 13, T9S, R21E

12. County or Parish

UINTAH

13. State

UTAH

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *40.638309

At surface SW/NW 1818'FNL, 851'FWL 627474X

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*

19.3 +/- MILES FROM OURAY, UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)

851'

16. No. of Acres in lease

1920.00

17. Spacing Unit dedicated to this well

40.00

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.

REFER TO TOPO C

19. Proposed Depth

9950'

20. BLM/BIA Bond No. on file

RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4821' GL

22. Approximate date work will start*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature

Title

SENIOR LAND ADMIN SPECIALIST

Name (Printed/Typed)

SHEILA UPCHEGO

Date

4/18/2007

Approved by (Signature)

Title

Name (Printed/Typed)

BRADLEY G. HILL
Off ENVIRONMENTAL MANAGER

Date

04-26-07

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

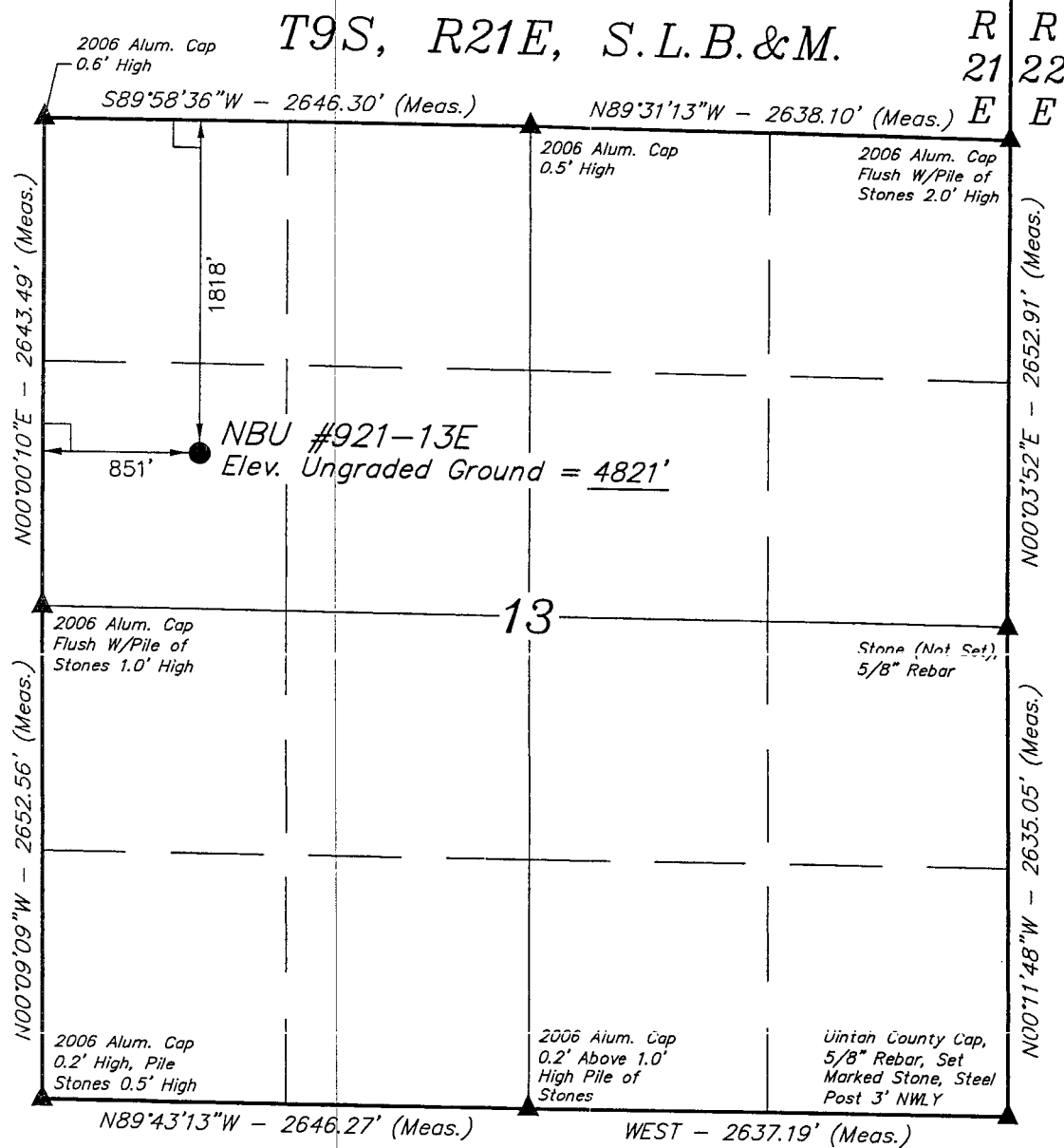
*(Instructions on reverse)

Federal Approval of this
Action Is Necessary

RECEIVED

APR 23 2007

DIV. OF OIL, GAS & MINING



LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 40°02'17.91" (40.038308)

LONGITUDE = 109°30'23.58" (109.506550)

(NAD 27)

LATITUDE = 40°02'18.04" (40.038344)

LONGITUDE = 109°30'21.11" (109.505864)

Kerr-McGee Oil & Gas Onshore LP

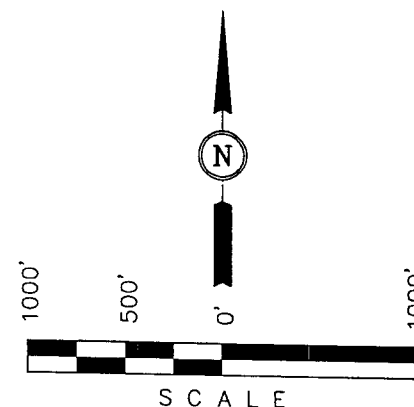
Well location, NBU #921-13E, located as shown in the SW 1/4 NW 1/4 of Section 13, T9S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M., TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

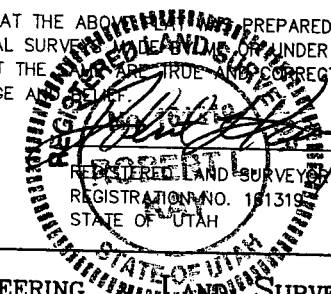
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PREPARED FROM FIELD NOTES OF ACTUAL SURVEY AND UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING AND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-26-07	DATE DRAWN: 03-30-07
PARTY L.K. J.A. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 921-13E
SW/NW Sec. 13, T9S, R21E
UINTAH COUNTY, UTAH
UTU-01193**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1692'
Top of Birds Nest Water	2027'
Mahogany	2390'
Wasatch	5030'
Mesaverde	7785'
MVU2	8750'
MVL1	9299'
TD	9950'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1692'
	Top of Birds Nest Water	2027'
	Mahogany	2390'
Gas	Wasatch	5030'
Gas	Mesaverde	7785'
Gas	MVU2	8750'
Gas	MVL1	9299'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9950' TD, approximately equals 6169 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3980 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

10. **Other Information:**

Please see Natural Buttes Unit SOP.

KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	April 18, 2007	
WELL NAME	NBU 921-13E	TD	9,950'	MD/TV D
FIELD	Natural Buttes	COUNTY	Uintah	STATE
			Utah	
ELEVATION	4,818'	GL	KB	4,833'
SURFACE LOCATION	SW/NW SEC. 13, T9S, R21E 1818'FNL, 851'FWL			BHL
				Straight Hole
Latitude:	40.038308	Longitude:	109.506550	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde			
ADDITIONAL INFO	Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept.			

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 lts of 36# J55 will be run on bottom		
Catch water sample, if possible, from 0 to 5,030'					
	Green River @	1,692'			
	Top of Birds Nest Water @	2,027'			
	Mahogany @	2,390'			
	Preset f/ GL @				
	2,600' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg			7-7/8"	4-1.2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.8 ppg
	Wasatch @	5,030'			
	Mverde @	7,785'			
	MVU2 @	8,750'			
	MVL1 @	9,299'			
	TD @	9,950'			Max anticipated Mud required 11.8 ppg



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT	GR	CRLG	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2200'	32.30	H-40	STC	0.58*****	1.33	3.45
						3520	2020	564000
	9-5/8"	2200 to 2600'	36.00	J-55	STC	1.15*****	1.66	7.67
PRODUCTION						7780	6350	201000
	4-1/2"	0 to 9950'	11.60	I-80	LTC	1.95	1.04	2.00

1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)

(Burst Assumptions: TD = 11.8 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing, Buoy. Fact. of water)

MASP 3916 psi

***** Burst SF is low but csg is stronger than formation at

2600 feet

***** EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

CEMENT PROGRAM

		FT OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2		NOTE: If well will circulate water to surface, option 2 will be utilized					
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,530'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	500	60%	11.00	3.38
	TAIL	5,420'	50/50 Po.:/G + 10% salt + 2% gel +.1% R-3	1520	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper

& lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

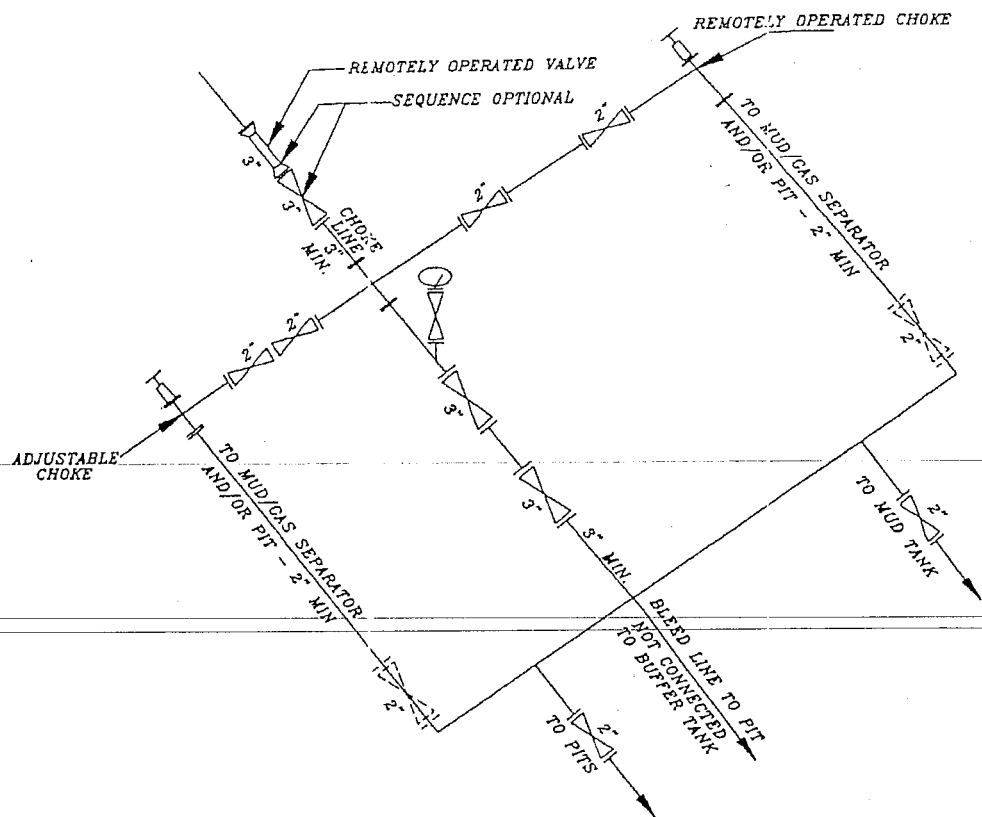
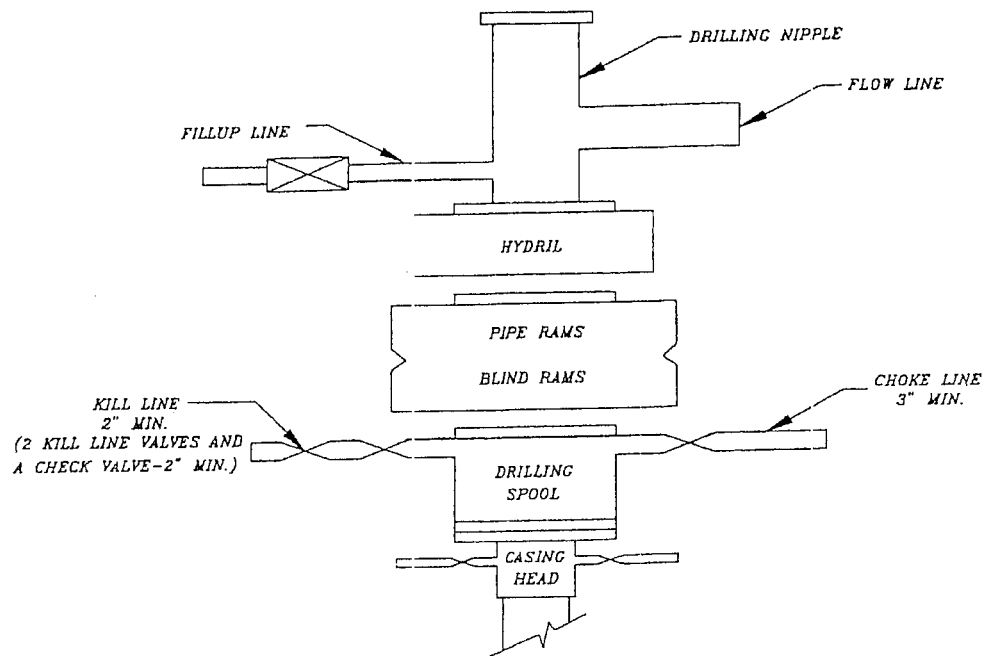
DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

NBU921-13E DHD

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-13E
SW/NW SEC. 13, T9S, R21E
UINTAH COUNTY, UTAH
UTU-01193

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.1 +/- miles of new access road. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 4100' +/- of 4" pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production.*)

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3.04 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

4/18/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #921-13E

SECTION 13, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.3 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-13E

LOCATED IN UINTAH COUNTY, UTAH

SECTION 13, T9S, R21E, S.L.B.&M.

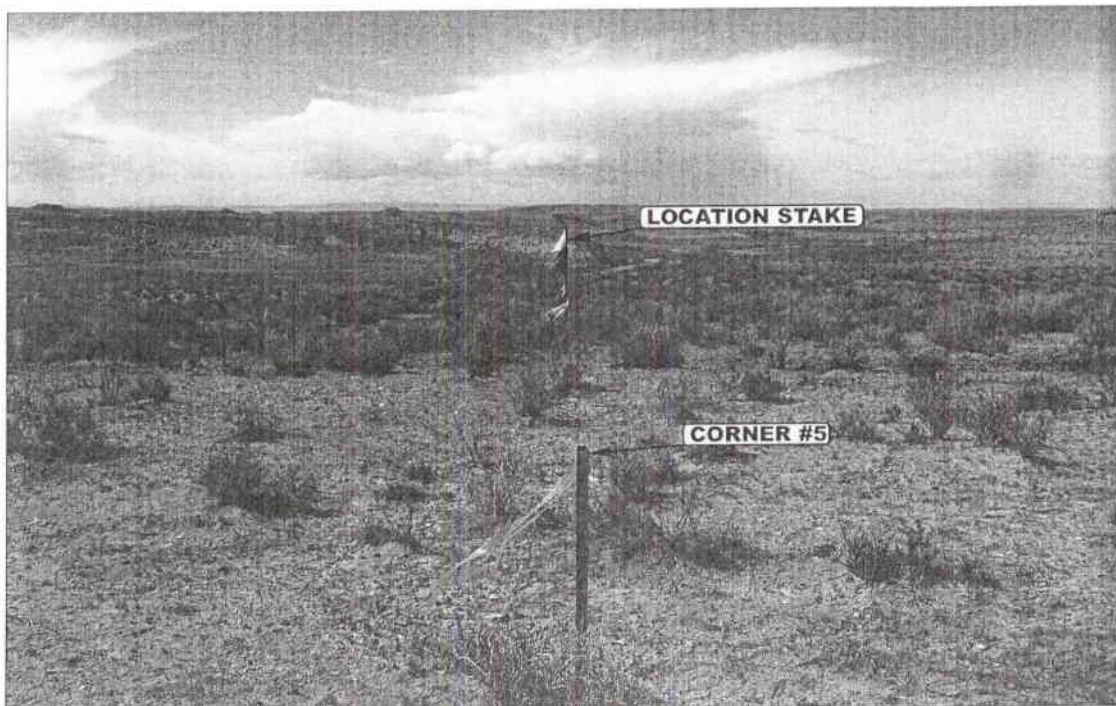


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

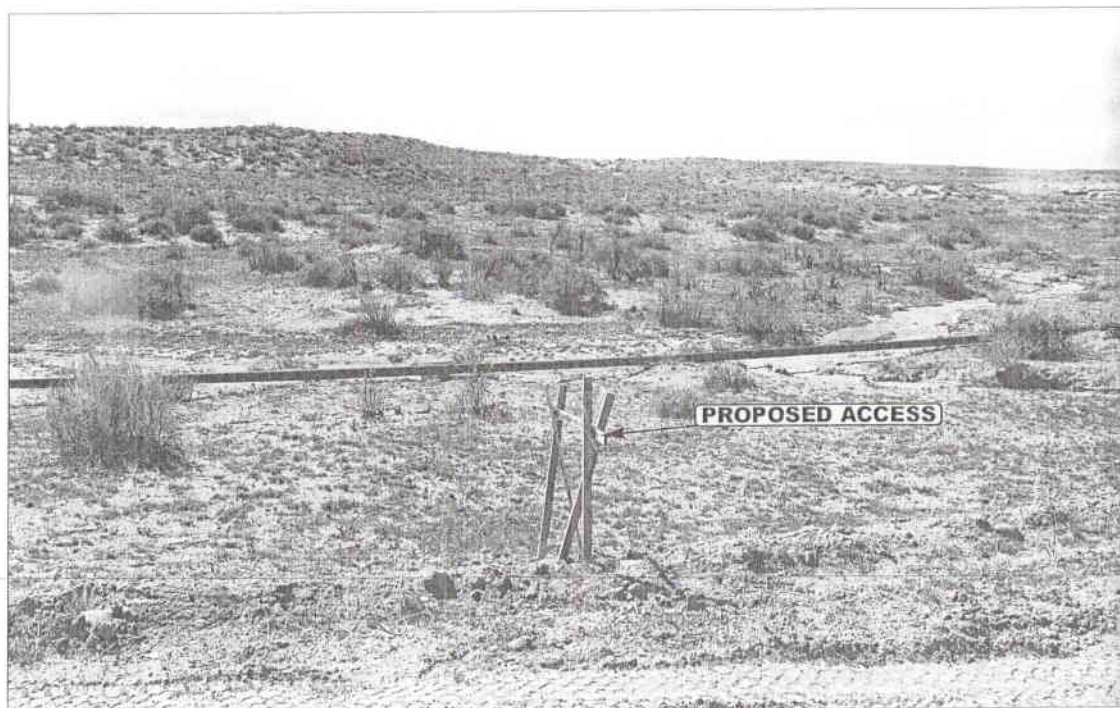


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

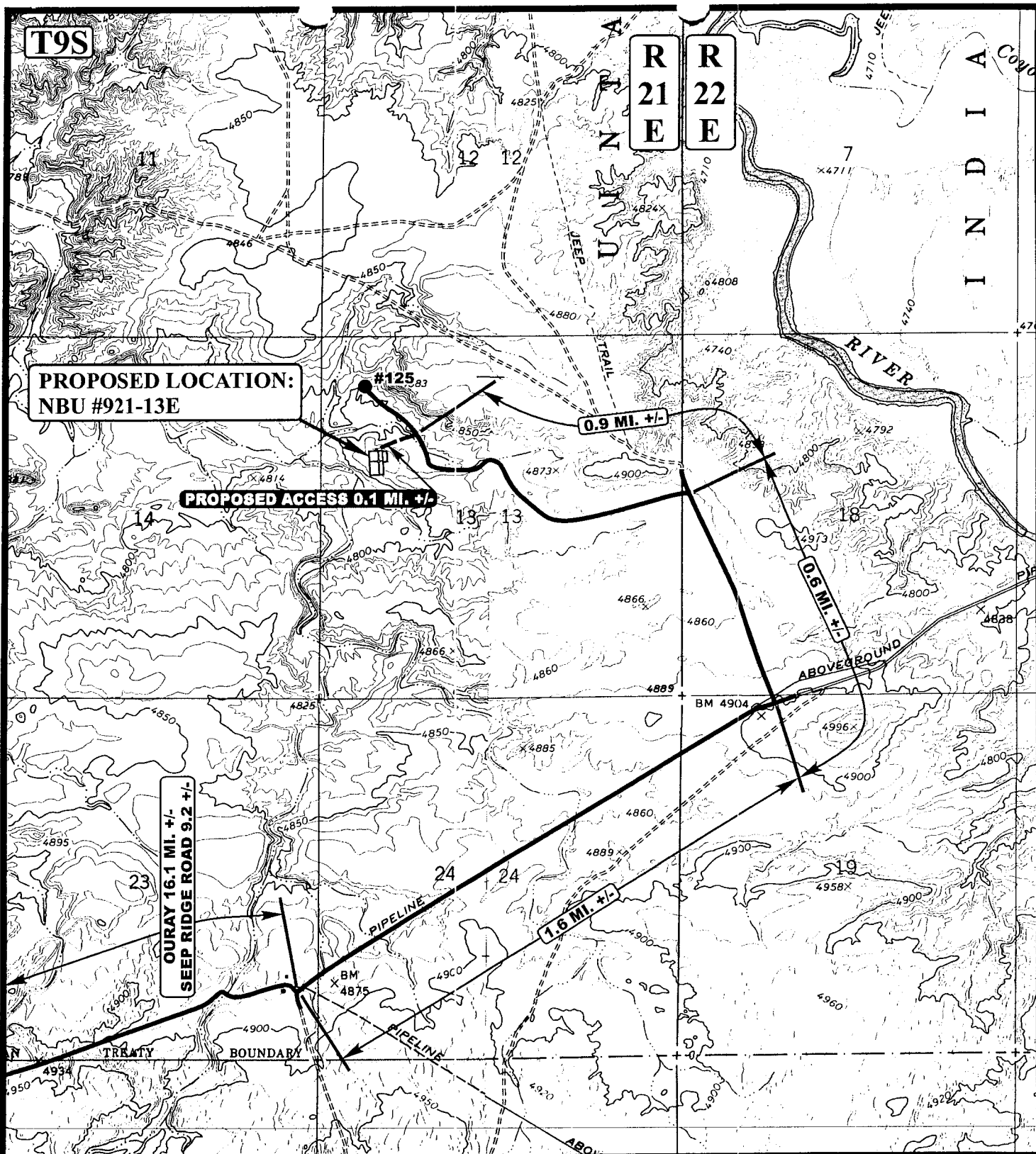
03 27 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD

Kerr-McGee Oil & Gas Onshore LP

NBU #921-13E

SECTION 13, T9S, R21E, S.L.B.&M.

1818' FNL 851' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

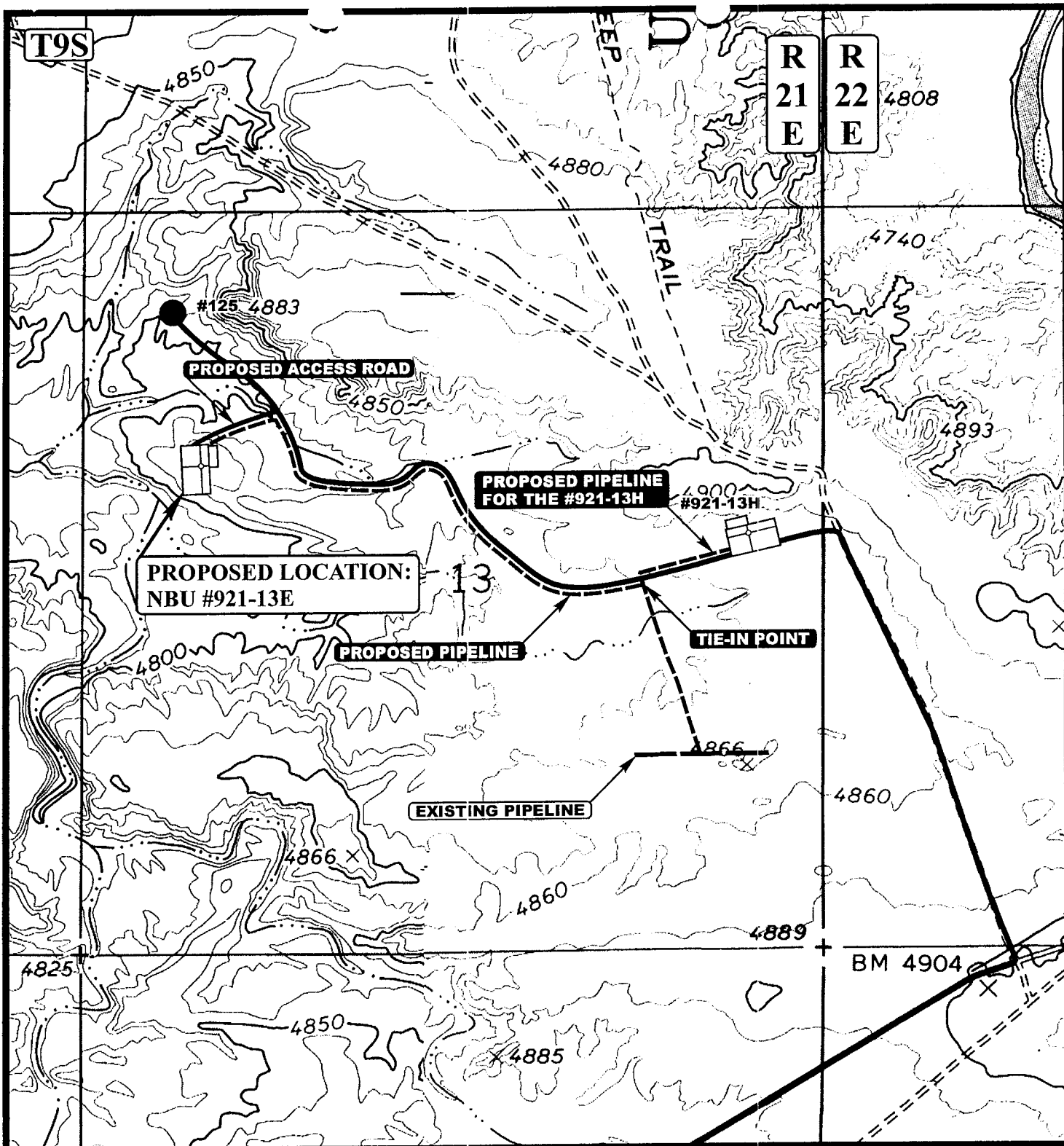


**TOPOGRAPHIC
MAP**

03 27 07
 MONTH DAY YEAR

SCALE: 1" = 2000' **DRAWN BY: C.P.** **REVISED: 00-00-00**

**B
TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 4,100' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-13E

SECTION 13, T9S, R21E, S.L.B.&M.

1818' FNL 851' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

03 **27** **07**
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00

D
TOPO

Kerr-McGee Oil & Gas Onshore LP

NBU #921-13E

PIPELINE ALIGNMENT

LOCATED IN UTAH COUNTY, UTAH

SECTION 13, T9S, R21E, S.L.B.&M.

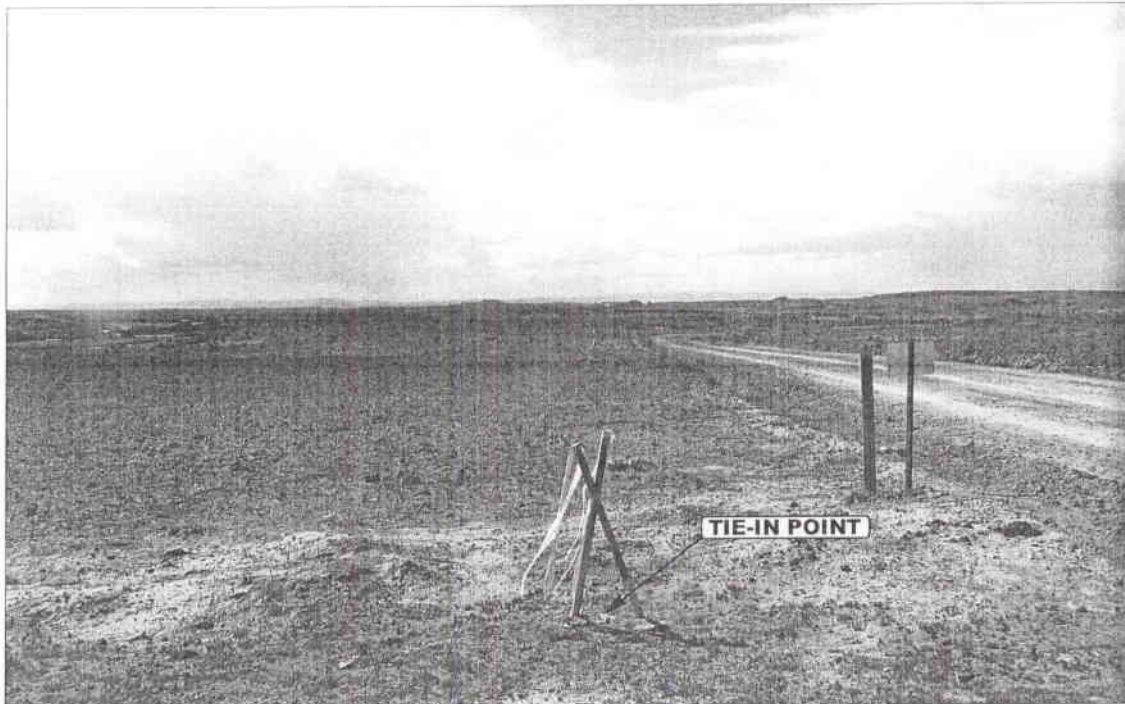


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHWESTERLY

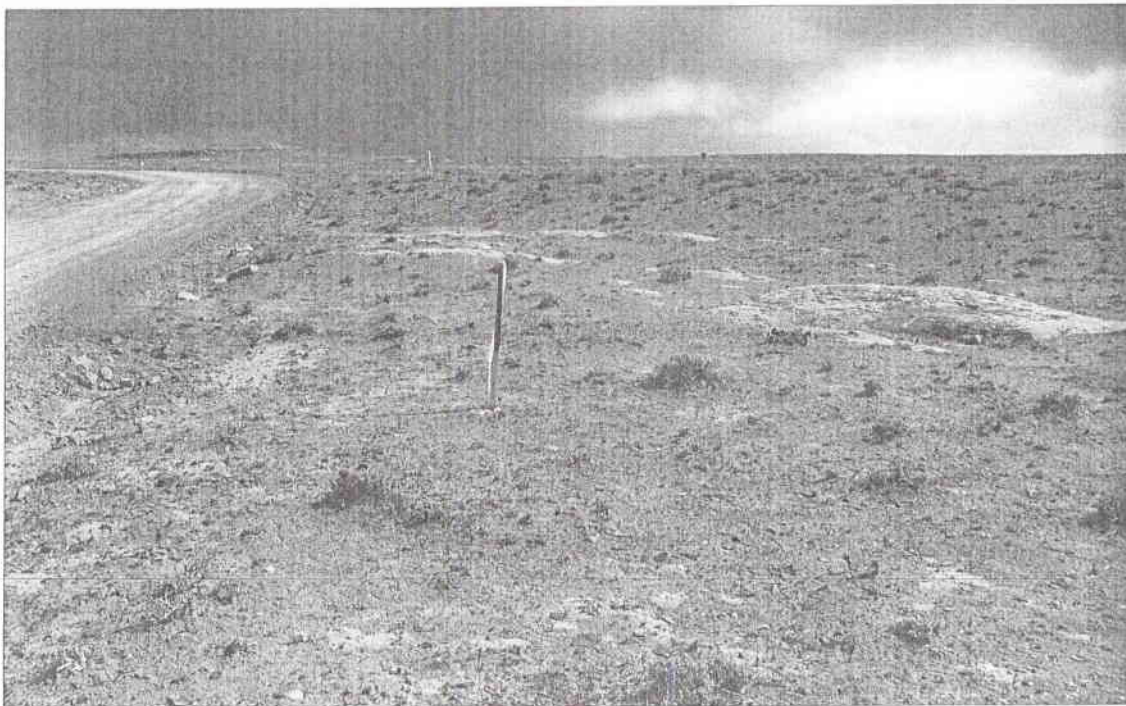


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

03
MONTH

27
DAY

07
YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

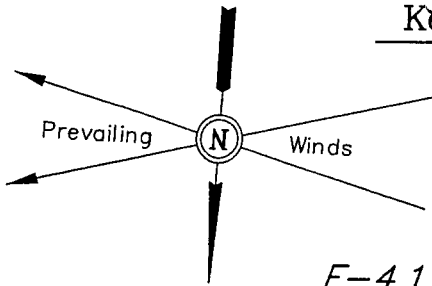
FIGURE #1

LOCATION LAYOUT FOR

NBU #921-13E

SECTION 13, T9S, R21E, S.L.B.&M.

1818' FNL 851' FWL



SCALE: 1" = 50'
DATE: 03-30-07
Drawn By: P.M.

F-4.1'
El. 813.5'

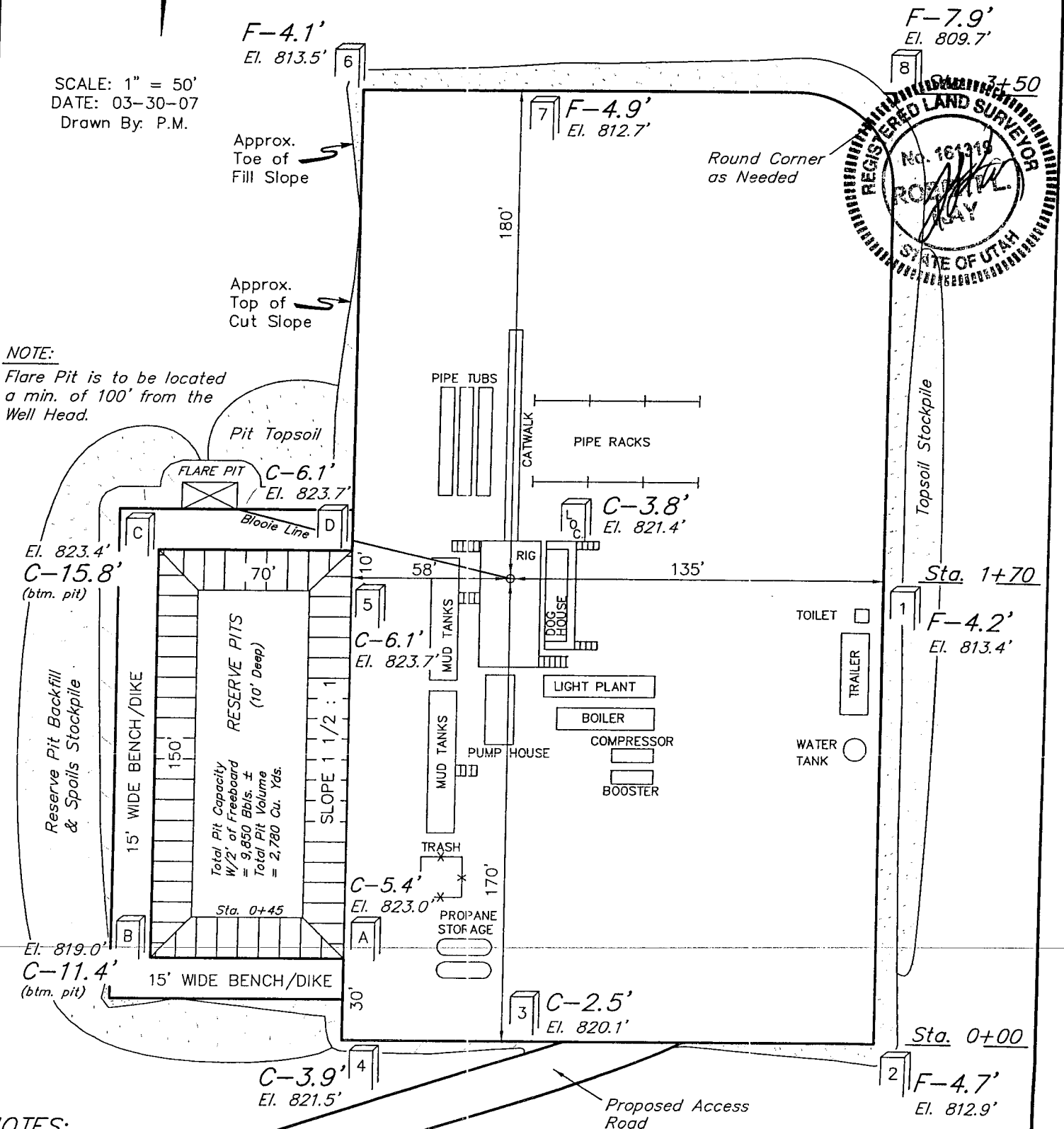
F-7.9'
El. 809.7'

Approx.
Toe of
Fill Slope

Approx.
Top of
Cut Slope

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4821.4'
FINISHED GRADE ELEV. AT LOC. STAKE = 4817.6'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR

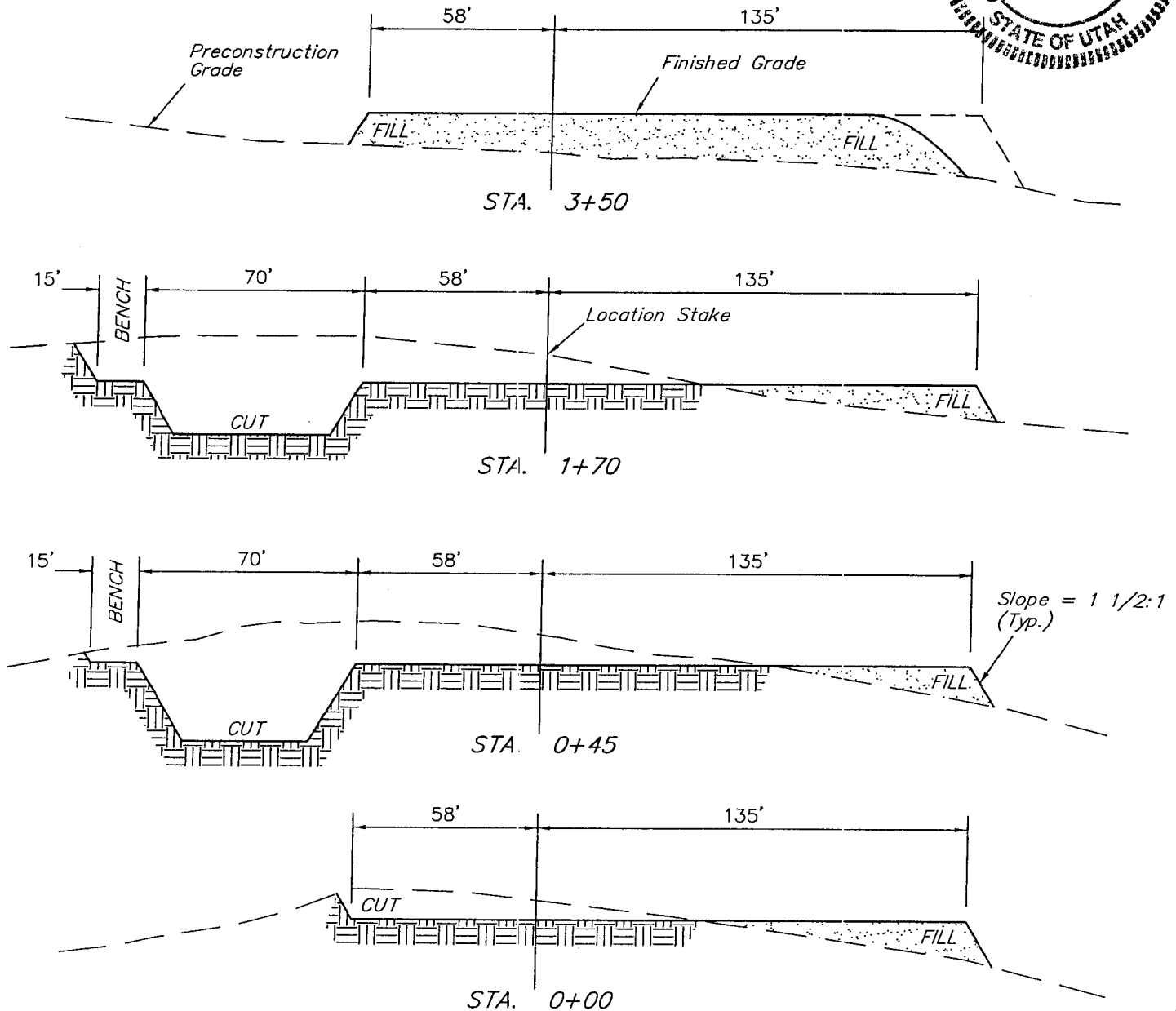
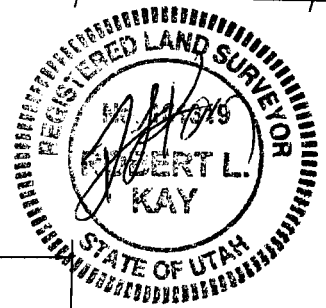
NBU #921-13E

SECTION 13, T9S, R21E, S.L.B.&M.

181E' FNL 851' FWL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 03-30-07
Drawn By: P.M.



NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,500 Cu. Yds.
Remaining Location	= 7,360 Cu. Yds.
TOTAL CUT	= 10,860 CU.YDS.
FILL	= 5,970 CU.YDS.

EXCESS MATERIAL	= 4,890 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,890 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39244

WELL NAME: NBU 921-13E

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SWNW 13 090S 210E

SURFACE: 1818 FNL 0851 FWL

BOTTOM: 1818 FNL 0851 FWL

COUNTY: UINTAH

LATITUDE: 40.03831 LONGITUDE: -109.5058

UTM SURF EASTINGS: 627476 NORTHINGS: 4432868

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01193

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

R649-2-3.
Unit: NATURAL BUTTES
R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-29-99
Siting: 460' from U.S. & Indian Reservation
R649-3-11. Directional Drill

COMMENTS: Sq, Separate h/w

STIPULATIONS: 1. Redup Approval
2 - OIL SHALE

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

April 25, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:4-25-07



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 26, 2007

Kerr McGee Oil and Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 921-13E Well, 1818' FNL, 851' FWL, SW NW, Sec. 13,
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39244.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr McGee Oil and Gas Onshore LP
Well Name & Number Natural Buttes Unit 921-13E
API Number: 43-047-39244
Lease: UTU-01193

Location: SW NW Sec. 13 T. 9 South R. 21 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office
(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

March 7, 2008

Kerr McGee Oil & Gas Onshore, LP

Attn: Sheila Upchego

1368 South 1200 East

Vernal, UT 84078

Re: Application for Permit to Drill
Well No. NBU 921-200
SWSE, Sec.20, T9S, R21E
Lease No. UTU-0575
Uintah County, Utah

Dear Ms. Upchego:

Enclosed are two copies of the approved Application for Permit to Drill (APD) with attached Conditions of Approval for the above referenced well.

If you have any questions concerning APD processing, please contact me at (435) 781-4429.

Sincerely,

Johnetta Magee
Legal Instruments Examiner

Enclosure

bcc: well file

reading file

ES



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

March 7, 2008

Kerr McGee Oil & Gas Onshore, LP

Attn: Sheila Upchego

1368 South 1200 East

Vernal, UT 84078

Re: Application for Permit to Drill
Well No. NBU 921-200
SWSE, Sec.20, T9S, R21E
Lease No. UTU-0575
Uintah County, Utah

Dear Ms. Upchego:

Enclosed are two copies of the approved Application for Permit to Drill (APD) with attached Conditions of Approval for the above referenced well.

If you have any questions concerning APD processing, please contact me at (435) 781-4429.

Sincerely,

Johnetta Magee
Legal Instruments Examiner

Enclosure

RECEIVED
VERNAL FIELD OFFICE

2007 APR 19 AM 11:57

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT.


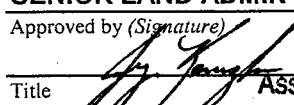
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01193
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 921-13E
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 1818'FNL, 851'FWL At proposed prod. Zone		9. API Well No. 43 047 39244
14. Distance in miles and direction from nearest town or post office* 19.3 +/- MILES FROM OURAY, UTAH		10. Field and Pool, or Exploratory NATURAL BUTTES
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 851'	16. No. of Acres in lease 1920.00	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 13, T9S, R21E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 9950'	12. County or Parish UINTAH
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4821' GL		13. State UTAH
22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 4/18/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) Terry Kewick	Date 3-13-2008
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

MAR 18 2008

DIV. OF OIL, GAS & MINING

NO NOS

046XJ4008A

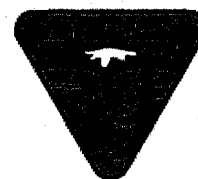


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP Location: SWNW, Sec. 13, T9S, R21E
Well No: NBU 921-13E Lease No: UTU-01193
API No: 43-047-39244 Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3425

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1700 ft. The minimum cement top is approximately 800 ft above the surface casing shoe.
- Cmmt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsontite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well

location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include

deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: NBU 921-13E

Api No: 43-047-39244 Lease Type: FEDERAL

Section 13 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 04/11/08

Time 9:30 AM

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 04/11/08 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739245	NBU 921-13LT		NWSW	13	9S,	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	4/11/2008		<u>4/28/08</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 04/11/2008 AT 0800 HRS							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739244	NBU 921-13E		SWNW	13	9S,	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	4/11/2008		<u>4/28/08</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 04/11/2008 AT 0930 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737320	BONANZA 1023-5H		SENE	5	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>16793</u>	4/11/2008		<u>4/28/08</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 04/11/2008 AT 0900 HRS.							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

4/14/2008

Date

RECEIVED

APR 17 2008

(5/2000)

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
***Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-13E

9. API Well No.

4304739244

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 13, T9S, R21E 1818'FNL, 851'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7#
SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 04/11/2008 AT 0930 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Signature

Title

SENIOR LAND ADMIN SPECIALIST

Date

April 14, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

APR 21 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 13, T9S, R21E 1818'FNL, 851'FWL

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-13E

9. API Well No.

4304739244

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon CSG
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 04/21/2008. DRILLED 12 1/4" SURFACE HOLE TO 2500'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/230 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 12 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Date

April 24, 2008

RECEIVED
MAY 02 2008
DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 13, T9S, R21E 1818'FNL, 851'FWL

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-13E

9. API Well No.

4304739244

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2500' TO 9884' ON 05/21/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/470 SX PREM LITE II @11.4 PPG 2.79 YIELD. TAILED CMT W/1180 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. WASH LINES DROP PLUG & DISPLACE W/153 BBLS WATER W/CLAYFIX TO BUMP PLUG W/4300 PSI. RELEASE PSI AND FLOATS HELD. LOST FULL RETURNS AFTER 55 BBLS DISPLACEMENT AWAY WASH STACK HANG CSG W/78K TEST HANGER TO 5000 PSI ND NOPS CLEAN MUD TANKS.

RELEASED ENSIGN RIG 12 ON 05/22/2008 AT 2400 HRS.

RECEIVED

JUN 09 2008

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

DIV. OF OIL, GAS & MINING

Date

May 28, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 13, T9S, R21E 1818'FNL, 851'FWL

5. Lease Serial No.

UTU-01193

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

8. Well Name and No.

NBU 921-13E

9. API Well No.

4304739244

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other PRODUCTION START-UP
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 07/06/2008 AT 9:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED

JUL 11 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Signature

Title

SENIOR LAND ADMIN SPECIALIST

Date

July 8, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

WINS No.: 94946		NBU 921-13E				Start Date: 4/11/2008	
AFE No.: 2007691		Operation Summary Report				End Date: 5/22/2008	
Operator KERR MCGEE OIL & GAS ONSHORE LP		FIELD NAME NATURAL BUTTES	SPUD DATE 4/11/08	GL 4,818	KB 4832	ROUTE	
API 4304739244	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES				
Lat./Long.: Lat./Long.: 40.03831 / -109.50655		Q-Q/Sect/Town/Range: SWNW / 13 / 9S / 21E		Footages: 1,818.00' FNL 851.00' FWL			
MTD 9884	TVD 9874	LOG MD	PBMD 9710	PBTVD 9710			
EVENT INFORMATION:		EVENT ACTIVITY: DRILLING OBJECTIVE: DEVELOPMENT OBJECTIVE2: ORIGINAL		REASON: DATE WELL STARTED/RESUMED: Event End Status: COMPLETE			
RIG OPERATIONS:		Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location					
ENSIGN 12 / 12		05/10/2008		05/10/2008		05/10/2008	
		05/12/2008		05/12/2008		05/22/2008	
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
4/11/2008	SUPERVISOR: LEW WELDON						MD: 55
	9:30 - 13:00	3.50	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0930 HR 4/11/08 DRILL AND SET 55' OF SCHEDULE 10 PIPE NO RODENT HOLES DRILLED AT THIS TIME BLM AND STATE NOTFIED OF SPUD
4/21/2008	SUPERVISOR: LEW WELDON						MD: 1,496
	1:00 - 12:00	11.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0100 HR 4/21/08 DA AT REPORT TIME 900'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1500'
4/22/2008	SUPERVISOR: LEW WELDON						MD: 2,296
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1910'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2300'
4/23/2008	SUPERVISOR: LEW WELDON						DWC: \$ 161,239.00 CWC: \$ 252,372.00 MD: 2,496
	0:00 - 3:00	3.00	DRLSUR	02		P	RIG T/D @ 2500' CONDITION HOLE 1 HR
	3:00 - 7:00	4.00	DRLSUR	05		P	TRIP DP OUT OF HOLE
	7:00 - 11:00	4.00	DRLSUR	11		P	RUN 2466' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	11:00 - 12:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 230 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 12 BBL LEAD CMT TO PIT
	12:00 - 12:30	0.50	DRLSUR	15		P	1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
	12:30 - 14:00	1.50	DRLSUR	15		P	2ND TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	14:00 - 14:00	0.00	DRLSUR				NO VISIBLE LEAKS PIT 1/4 FULL WORT
5/9/2008	SUPERVISOR: LEW WELDON						MD: 2,496
5/10/2008	SUPERVISOR: LEW WELDON						DWC: \$ 17,927.00 CWC: \$ 270,299.00 MD: 2,496
	0:00 - 7:00	7.00	DRLPRO	12	D	P	WAIT ON DAYLIGHT
	7:00 - 10:00	3.00	DRLPRO	01	A	P	MOVE RIG TO NBU 921-13E
	10:00 - 14:00	4.00	DRLPRO	12	E	Z	DRILL NEW RAT HOLE
	14:00 - 0:00	10.00	DRLPRO	01	B	P	RURT
5/11/2008	SUPERVISOR: LEW WELDON						MD: 2,496
	0:00 - 13:00	13.00	DRLPRO	01	B	P	RURT
	13:00 - 18:30	5.50	DRLPRO	05	A	P	TEST BOP & ALL VALVE TO 250 LOW - 5000 HIGH, ANN TO 2500, CASING TO 1500, INSTALL WEAR BUSHING HPJSM W/ RIG & P/U CREWS, R/U & P/U BHA & D/P, R/D
	18:30 - 0:00	5.50	DRLPRO				
5/12/2008	SUPERVISOR: BRUCE TAYLOR						MD: 3,645

EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	REASON:
	OBJECTIVE: DEVELOPMENT	DATE WELL STARTED/RESUMED:
	OBJECTIVE2: ORIGINAL	Event End Status: COMPLETE

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
-----------------	--------------------	-----------------	-------------	---------------------	-----------------	-------------	------------------

ENSIGN 12 / 12	05/10/2008	05/10/2008	05/10/2008	05/12/2008	05/21/2008	05/22/2008
----------------	------------	------------	------------	------------	------------	------------

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
	0:00 - 0:30	0.50	DRLPRO	05	A	P	R/D, INSTALL ROT RUBBER
	0:30 - 1:30	1.00	DRLPRO	07	A	Z	CHANGE SWIVEL PACKING
	1:30 - 4:00	2.50	DRLPRO	02	F	P	DRLG CEMENT & F/E
	4:00 - 4:30	0.50	DRLPRO	02	B	P	DRLG F/ 2496 TO 2513 17' @ 34' PH W/CLEAR WATER, SPUD WELL @ 04:00 5/12/08
	4:30 - 5:00	0.50	DRLPRO	09	A	P	SURVEY @ 2513 2.51 DEG
	5:00 - 10:00	5.00	DRLPRO	02	B	P	DRILL 2513'-2765' (252') 50.4'/HR. 8/10K WOB, 110 BIT RPM, 8.4/28
	10:00 - 10:30	0.50	DRLPRO	09	A	P	SURVEY @ 2765' - 2.49 DEG.
	10:30 - 13:00	2.50	DRLPRO	02	B	P	DRILL 2765'-2922' (157') 62.8'/HR. 8/10K WOB, 110 BIT RPM, 8.5/28
	13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
	13:30 - 19:00	5.50	DRLPRO	02	B	P	DRILL 2922'-3236' (314') 57'/HR. 8/10K WOB, 110 BIT RPM, 8.6/29
	19:00 - 19:30	0.50	DRLPRO	09	A	P	SURVEY @ 3268' - 2.97 DEG.
	19:30 - 0:00	4.50	DRLPRO	02	B	P	3645'-4140' (DRILL 3236'-3645' (409') 90.8'/HR. 14/16K WOB, 110 BIT RPM, 8.8/38

5/13/2008	SUPERVISOR: BRUCE TAYLOR						MD: 5,236
	0:00 - 0:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS. COM
	0:30 - 8:00	7.50	DRLPRO	02	B	P	DRILL 3645'-4307' (662') 88.2'/HR. 14/16K WOB, 110 BIT RPM, 8.9/38
	8:00 - 9:00	1.00	DRLPRO	09	A	P	SURVEY @ 4230' - 3.13 DEG.
	9:00 - 13:00	4.00	DRLPRO	02	B	P	DRILL 4307'-4652' (345') 86.2'/HR. 14/16K WOB, 110 BIT RPM. 9.1/39
	13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
	13:30 - 0:00	10.50	DRLPRO	02	B	P	DRILL 4652'-5236' (584') 55.6'/HR. 14/16K WOB, 110 BIT RPM. 9.4/42

5/14/2008	SUPERVISOR: BRUCE TAYLOR						MD: 6,266
	0:00 - 1:30	1.50	DRLPRO	02	B	P	DRILL 5236'-5311' (75') 25'/HR. 14/16K WOB, 110 BIT RPM, 9.4/42
	1:30 - 2:00	0.50	DRLPRO	09	A	P	SURVEY @ 5236' - 2.64 DEG.
	2:00 - 13:00	11.00	DRLPRO	02	B	P	DRILL 5311'-5815' (504') 45.8'/HR. 14/16K WOB, 110 BIT RPM, 9.4/44.....LOST 90 BBLS @ 5720', RAISE LCM TO 5% WITH FULL RETURNS.
	13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
	13:30 - 0:00	10.50	DRLPRO	02	B	P	DRILL 5815'-6266' (451') 42.9'/HR. 20K WOB, 110 BIT RPM, 9.5/42

5/15/2008	SUPERVISOR: BRUCE TAYLOR						MD: 7,070
	0:00 - 12:30	12.50	DRLPRO	02	B	P	DRILL 6266'-6819' (553') 44.2'/HR. 20/22K WOB, 110 BIT RPM, 9.7/44
	12:30 - 13:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.
	13:00 - 22:30	9.50	DRLPRO	02	B	P	DRILL 6819'-7070' (251') 26.4'/HR. 20/22K WOB, 110 BIT RPM, 9.8/42
	22:30 - 23:00	0.50	DRLPRO	04	C	P	C/C MUD, MIX AND PUMP SLUG, DROP TOTCO SURVEY.
	23:00 - 0:00	1.00	DRLPRO	05	A	P	START POOH FOR BIT.

5/16/2008	SUPERVISOR: BRUCE TAYLOR						MD: 7,458
	0:00 - 6:00	6.00	DRLPRO	05	A	P	POOH, STUCK PIPE AT 4965', JAR LOOSE, WORK THROUGH TIGHT SPOT AT 4965' BACKREAMING WITH KELLY (1 1/2 HRS.) FINISH OUT OF HOLE.
	6:00 - 12:00	6.00	DRLPRO	05	A	P	MAKE UP NEW Q506 PDC AND TIH WITH SAME. REAM OUT TIGHT SPOT AT 4930'-5000', FIH.
	12:00 - 0:00	12.00	DRLPRO	02	B	P	DRILL 7070'-7458' (388') 32.3'/HR. 20K WOB, 105 BIT RPM, 10.2/44

5/17/2008	SUPERVISOR: BRUCE TAYLOR						MD: 8,140
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL 7458'-8011' (553') 39.5'/HR. 18/20K WOB, 105 BIT RPM, 10.3/44
	14:00 - 14:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS, TRIP COM.

Wins No.: 94946		NBU 921-13E					API No.: 4304739244	
EVENT INFORMATION:		EVENT ACTIVITY: DRILLING OBJECTIVE: DEVELOPMENT OBJECTIVE2: ORIGINAL					REASON: DATE WELL STARTED/RESUMED: Event End Status: COMPLETE	
RIG OPERATIONS:		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
ENSIGN 12 / 12		05/10/2008	05/10/2008	05/10/2008	05/12/2008	05/21/2008	05/22/2008	
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	
	14:30 - 15:00	0.50	DRLPRO	02	B	P	DRILL 8011'-8028' (17') 34'/HR. 18/20K WOB, 105 BIT RPM. 10.3/42	
	15:00 - 21:00	6.00	DRLPRO	07	B	Z	BLEW VIBRATOR HOSE FROM SUB TO PUMP, POOH TO 4800' WHILE WAITING ON NEW HOSE. INSTALL VIBRATOR HOSE. TEST LINES. TIH.	
	21:00 - 0:00	3.00	DRLPRO	02		P	DRILL 8028'-8140' (112') 37.3'/HR 20K WOB, 105 BIT RPM, 10.6/44	
5/18/2008	SUPERVISOR: BRUCE TAYLOR						MD: 8,985	
	0:00 - 13:00	13.00	DRLPRO	02	B	P	DRILL 8140'-8670' (530') 40.7'/HR. 18/20K WOB, 105 BIT RPM, 10.8/45	
	13:00 - 13:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS.CHECK COM.	
	13:30 - 0:00	10.50	DRLPRO	02	B	P	DRILL 8670'-8985' (315') 30'/HR. 20K WOB, 105 BIT RPM, 10.9/45	
5/19/2008	SUPERVISOR: BRUCE TAYLOR						MD: 9,286	
	0:00 - 7:00	7.00	DRLPRO	02	B	P	DRILL 8985'-9147' (162') 23.1'/HR. 20/22K WOB, 105 BIT RPM, 11.3/45	
	7:00 - 8:30	1.50	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP. MIX AND PUMP SLUG, DROP TOTCO.	
	8:30 - 13:30	5.00	DRLPRO	05	A	P	POOH FOR BIT DUE TO SLOW P-RATE.	
	13:30 - 14:00	0.50	DRLPRO	06	A	P	SERVICE RIG.	
	14:00 - 16:00	2.00	DRLPRO	05	A	P	MAKE UP NEW Q506 PDC, TIH TO SHOE. BREAK CIRC.	
	16:00 - 17:00	1.00	DRLPRO	06	D	P	SLIP AND CUT 120' DRILL LINE.	
	17:00 - 20:00	3.00	DRLPRO	05	A	P	FINISH IN HOLE, WASH 45' TO BOTTOM, 10' FILL.	
	20:00 - 0:00	4.00	DRLPRO	02	B	P	DRILL 9147'-9286' (139') 34.7'/HR. 16K WOB, 105 BIT RPM, 11.4/45	
5/20/2008	SUPERVISOR: BRUCE TAYLOR						MD: 9,855	
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL 9286'-9677' (391') 27.9'/HR. 18/20K WOB, 105 BT RPM, 11.5/44	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION HCR, TRIP COM	
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL 9677'-9855' (178') 18.7'/HR. 20/22K WOB, 105 BIT RPM, 11.6/45	
5/21/2008	SUPERVISOR: BRUCE TAYLOR						MD: 9,884	
	0:00 - 3:30	3.50	DRLPRO	02	B	P	DRILL 9855'-9884' (29') 8.2'/HR. 22/24K WOB, 105 BIT RPM, 11.6/45	
	3:30 - 4:30	1.00	DRLPRO	04	C	P	CIRCULATE BOTTOM UP.	
	4:30 - 7:00	2.50	DRLPRO	05	E	P	SHORT TRIP 20 STANDS. REAM TIGHT SPOT @ 8818' GOING BACK IN. FIH.	
	7:00 - 8:30	1.50	DRLPRO	04	C	P	CIRCULATE BOTTOM UP, TRIP GAS 5076 UNITS. HELD SAFETY MEETING WITH WEATHERFORD LD CREW, RU SAME.	
	8:30 - 19:30	11.00	DRLPRO	05	B	P	POOH LDDS, BREAK KELLY, LD BHA. PULL WEAR BUSHING.	
	19:30 - 0:00	4.50	DRLPRO	08	A	P	HELD SAFETY MEETING WITH LOGGERS, RIH WITH TRIPLE COMBO AND LOG FROM 9884' - CSG. SHOE. RUN GR TO SURFACE.	
5/22/2008	SUPERVISOR: BRUCE TAYLOR						MD: 9,884	
	0:00 - 0:30	0.50	DRLPRO	08	A	P	FINISH LOGGING WTH HALLIBURTON. RD.	
	0:30 - 1:30	1.00	DRLPRO	11	A	P	HELD SAFETY MEETING, RIG UP CASING CREW.	
	1:30 - 11:30	10.00	DRLPRO	11	B	P	RUN CSG. AS FOLLOWS: FLOAT SHOE, 1 JT. CSG. FLOAT COLLAR, 116 JTS. CSG. 1 MARKER JTS. SET AT 4958', 117 JTS. 4 1/2" 11.6 PPF I-80 CASING, OVER ALL LENGTH 9873.63, SET AT 9973.63'. CENTRALIZED WITH 15 BOW SPRINGS, 1 ON FIRST 3 JTS. THEN EVERY 3RD JT. SPACE OUT, INSTALL HANGER AND RIG UP PLUG RETAINER.	
	11:30 - 13:00	1.50	DRLPRO	04	E	P	CIRCULATE BOTTOMS UP WITH RIG PUMPS. HELD SAFETY MEETING WITH HALLIBURTON.	

EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	REASON:
	OBJECTIVE: DEVELOPMENT	DATE WELL STARTED/RESUMED:
	OBJECTIVE2: ORIGINAL	Event End Status: COMPLETE

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
ENSIGN 12 / 12	05/10/2008	05/10/2008	05/10/2008	05/12/2008	05/21/2008	05/22/2008	

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
	13:00 - 16:00	3.00	DRLPRO	15	A	P	SWITCH TO BJ, TEST LINES TO 4500 PSI AND CEMENT 4 1/2" AS FOLLOWS: 20 BBLS MUD CLEAN @ 8.3 PPG, 20 SKS PL2 SCAVENGER MIXED @ 9.5 PPG, LEAD W/ 470 SKS PL2 MIXED @ 11.4 PPG, TAIL W/ 1180 SKS 50:50 POZ MIXED @ 14.3 PPG, WASH LINES, DROP PLUG & DISPLACE W/153 BBLS WATER W/ CLAYFIX TO BUMP PLUG W/ 4300 PSI. RELEASE PSI AND FLOATS HELD. LOST FULL RETURNS AFTER 55 BBLS DISPLACEMENT AWAY.
	16:00 - 18:00	2.00	DRLPRO	15	A	P	WASH STACK, HANG CASING WITH 78K. TEST HANGER TO 5000 PSI.
	18:00 - 0:00	6.00	DRLPRO	13	A	P	ND BOP'S, CLEAN MUD TANKS. RELEASE RIG @ 5-22-2008

WINS No.: 94946

NBU 921-13E

Start Date: 6/30/2008

AFE No.: 2007691

Operation Summary Report

End Date: 7/3/2008

Operator KERR MCGEE OIL & GAS ONSHORE LP		FIELD NAME NATURAL BUTTES		SPUD DATE 4/11/08		GL 4,818		KB 4832		ROUTE	
API 4304739244		STATE UTAH		COUNTY UINTAH		DIVISION ROCKIES					
Lat./Long.: Lat./Long.: 40.03831 / -109.50655				Q-Q/Sect/Town/Range: SWNW / 13 / 9S / 21E				Footages: 1,818.00' FNL 851.00' FWL			
MTD 9884		TVD 9874		LOG MD		PBMD 9710		PBTVD 9710			
EVENT INFORMATION:		EVENT ACTIVITY: COMPLETION				REASON: MV					
		OBJECTIVE: DEVELOPMENT				DATE WELL STARTED/RESUMED:					
		OBJECTIVE2: ORIGINAL				Event End Status: COMPLETE					
RIG OPERATIONS:		Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location									
MILES 2 / 2		06/30/2008						07/03/2008			
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation				
6/30/2008	<u>SUPERVISOR: JEFF SAMUELS</u> <u>MD:</u> 7:00 - 17:00 10.00 COMP 31 I P 7:00 A.M. HSM ROAD RIG & EQUIP F/ NBU 921-14G TO LOC. MIRU, NDWH, NUBOPE. PREP & TALLY 2 3/8" L-80 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER TO 8500'. X-O POOH STD BK TBG. EOT @ 5500'. SWL SDFN										
7/1/2008	<u>SUPERVISOR: JEFF SAMUELS</u> <u>MD:</u> 7:00 - 15:00 8.00 COMP 37 B P 7:00 A.M. HSM CONT TO POOH STD BK TBG F/ 5500'. NDBOPE. NU FRAC VLV'S. MIRU B&C QUICK TST. FILL CSG & PSI TST CSG & FRAC VLV'S TO 7500# (HELD). MIRU CUTTERS W.L. P/U 3 3/8" EXP PERF GUNS LOADED W/ 12 GM CHARGES 4 SPF, 90 DEG PHASING & RIH. SHOOT 8 HOLES F/ 9626' - 28', P/U SHOOT 8 HOLES F/ 9556' - 58', P/U SHOOT 32 HOLES F/ 9530' - 38'. POOH. RDMO CUTTERS. PREP TO FRAC IN A.M. SWL SDFD										
7/2/2008	<u>SUPERVISOR: JEFF SAMUELS</u> <u>MD:</u>										

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION REASON: MV
 OBJECTIVE: DEVELOPMENT DATE WELL STARTED/RESUMED:
 OBJECTIVE2: ORIGINAL Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

MILES 2 / 2 06/30/2008 07/03/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de	P/U	Operation
	7:00 - 23:00	16.00	COMP	36	B	P	<p>7:00 A.M. HSM MIRU CUTTERS. MIRU WEATHERFORD FRAC SVC. PRIME PMP'S & PSI TST LINES TO 8500# (HELD). PREP TO FRAC</p> <p>NOTE: ALL STAGES SHOT W/ 3 3/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES. 4 SPF, 90 DEG PHASING. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL STAGES TREATED W/ NALCO DVE-005 SCALE INHIB @ 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN FLUSH & PRE PAD. ALL CLEAN FLUID TREATED W/ NALCO BIOCID @ .25 GPT. ALL SAND IS 30/50 SAND TAILED IN W/ 5000# TLC SAND.</p> <p>STG 1: BRK PERF'S DWN @ 4723#, EST INJ RT @ 51 BPM @ 4570#, ISIP 2671#, FG .71, TREAT STG 1 W/ 78276# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2296 BBLs. ISIP 3333#, NPI 712#, FG .78</p> <p>STG 2: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9458', P/U SHOOT 16 HOLES F/ 9424' - 28', P/U SHOOT 8 HOLES F/ 9374' - 76', P/U SHOOT 8 HOLES F/ 9306' - 08', P/U SHOOT 8 HOLES F/ 9292' - 94'. POOH. BRK DWN PERF'S @ 4385#, EST INJ RT @ 50.4 BPM @ 5500#, ISIP 2805#, FG .73, TREAT STG 2 W/ 68,908# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1915 BBLs. ISIP 2960#, NPI 155#, FG .75</p> <p>STG 3: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9238', P/U SHOOT 16 HOLES F/ 9194' - 98', P/U SHOOT 16 HOLES F/ 9130' - 34', P/U SHOOT 8 HOLES F/ 9100' - 02', P/U SHOOT 8 HOLES F/ 9078' - 80', POOH. BRK DWN PERF'S @ 2808#, EST INJ RT @ 51.1 BPM @ 4505#, ISIP 2706#, FG .73, TREAT STG 3 W/ 92,424# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2502#, ISIP 2931#, NPI 225#, FG .75</p> <p>STG 4: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8844', P/U SHOOT 8 HOLES F/ 8812' - 14', P/U SHOOT 16 HOLES F/ 8796' - 8800', P/U GUNS GROUNDED. MIS RUN. POOH. MAKE REPAIRS & RIH. SHOOT 8 HOLES F/ 8729' - 31', P/U SHOOT 8 HOLES F/ 8662' - 64', P/U SHOOT 8 HOLES F/ 8646' - 48'. POOH. BRK DWN PERF'S @ 3481#, EST INJ RT @ 51.3 BPM @ 4140#, ISIP 2551#, FG .73, TREAT STG 4 W/ 137,961# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 3645 BBLs. ISIP 2835#, NPI 284#, FG .76</p> <p>STG 5: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8548'. P/U SHOOT 16 HOLES F/ 8514' - 18', P/U SHOOT 8 HOLES F/ 8466' - 68', P/U SHOOT 24 HOLES F/ 8432' - 38'. POOH. BRK DWN PERF'S @ 5595#, EST INJ RT @ 51.7 BPM @ 4285#, ISIP 2704#, FG .75, TREAT STG 5 W/ 103,074# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2727 BBLs. ISIP 2914#, NPI 210#, FG .78</p> <p>STG 6: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8096', P/U SHOOT 24 HOLES F/ 8050' - 56', P/U SHOOT 8 HOLES F/ 8042' - 44', P/U SHOOT 8 HOLES F/ 8036' - 38'. POOH. BRK DWN PERF'S @ 2133#, EST INJ RT @ 39.4 BPM @ 3500#, ISIP 1927#, FG .67, TREAT STG 6 W/ 53,866# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1467 BBLs. ISIP 2157#, NPI 230#, FG .70</p> <p>STG 7: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 7982', P/U SHOOT 8 HOLES F/ 7950' - 52', P/U SHOOT 16 HOLES F/ 7932' - 36', P/U PERF GUNS SHORTED OUT. MIS RUN. POOH, MAKE REPAIRS & RIH. SHOOT 16 HOLES F/ 7850' - 54', P/U SHOOT 8 HOLES F/ 7834' - 36'. POOH. BRK</p>

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION REASON: MV
 OBJECTIVE: DEVELOPMENT DATE WELL STARTED/RESUMED: 4/1/2008
 OBJECTIVE2: ORIGINAL Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

MILES 2 / 2 06/30/2008 07/03/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
------	----------------	---------------	-------	------	---------	-----	-----------

DWN PERF'S @ 4317#, EST INJ RT @ 52.5 BPM 4250#, ISIP 2066#, FG .70, TREAT STG 7 W/ 136,094# SAND TAILED IN W/ 5000# TLC SAND W/ SLKWTR. TOT CL FL 3317 BBLs. ISIP 2640#, NPI 574#, FG .77

P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 7784'. POOH. RDMO CUTTERS. RDMO WEATHERFORD. SWL SDFN

7/3/2008 SUPERVISOR: JEFF SAMUELS MD:

7:00 - 18:00 11.00 COMP 44 C P 7:00 A.M. HSM
 ND FRAC VLV, NUBOPE. P/U 3 7/8" SMITH BIT, POBS & RIH W/ TBG. TAG FILL @ 7775', R/U DRL EQUIP. R/U PMP & LINES. BRK CONV CIRC W/ TREATED FRESH WTR & BEG TO DRL. C/O 5' FILL TO 1ST CBP @ 7780'

DRL UP 1ST CBP (600# PSI INC). CONT TO RIH. TAG FILL @ 7942', (40' FILL). C/O TO 2ND CBP @ 7982'.

DRL UP 2ND CBP (600# PSI INC). CONT TO RIH. TAG FILL @ 8051', (45' FILL). C/O TO 3RD CBP @ 8096'.

DRL UP 3RD CBP (600# PSI INC). CONT TO RIH. TAG FILL @ 8516', (30' FILL). C/O TO 4TH CBP @ 8546'.

DRL UP 4TH CBP (500# PSI INC). CONT TO RIH. TAG FILL @ 8814', (30' FILL). C/O TO 5TH CBP @ 8844'.

DRL UP 5TH CBP (500# PSI INC). CONT TO RIH. TAG FILL @ 9208', (30' FILL). C/O TO 6TH CBP @ 9238'.

DRL UP 6TH CBP (200# PSI INC). CONT TO RIH. TAG FILL @ 9428', (30' FILL). C/O TO 7TH CBP @ 9458'.

DRL UP 7TH CBP (900# PSI INC). CONT TO RIH. TAG FILL @ 9644', (63' FILL). C/O TO PBTD. 9710'. CIRC WELL CLEAN. POOH. L/D 30 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 9274'. NDBOPE. DROP BALL. NUWH. PMP OFF THE BIT SUB @ 2000#. R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW.

SICP 1850#
 FTP 50#
 48/64 CHOKE

TBG ON LOC 323 JTS
 TBG IN WELL 293 JTS
 TBG LEFT ON TRAILER 30 JTS

7/4/2008 SUPERVISOR: JEFF SAMUELS MD:

7:00 - 33 A 7 AM FLBK REPORT: CP 2100#, TP 1825#, 16/64" CK, 55 BWPH, TRACE SAND, - GAS
 TTL BBLs RECOVERED: 5555
 BBLs LEFT TO RECOVER: 12314

7/5/2008 SUPERVISOR: JEFF SAMUELS MD:

7:00 - 33 A 7 AM FLBK REPORT: CP 2600#, TP 2175#, 16/64" CK, 40 BWPH, TRACE SAND, - GAS
 TTL BBLs RECOVERED: 6560
 BBLs LEFT TO RECOVER: 11309

7/6/2008 SUPERVISOR: JEFF SAMUELS MD:

7:00 - 33 A 7 AM FLBK REPORT: CP 2450#, TP 2150#, 18/64" CK, 39 BWPH, TRACE SAND, - GAS
 TTL BBLs RECOVERED: 7433
 BBLs LEFT TO RECOVER: 10436

Wins No.: 94946		NBU 921-13E		API No.: 4304739244	
EVENT INFORMATION:		EVENT ACTIVITY: COMPLETION		REASON: MV	
		OBJECTIVE: DEVELOPMENT		DATE WELL STARTED/RESUMED:	
		OBJECTIVE2: ORIGINAL		Event End Status: COMPLETE	
RIG OPERATIONS:		Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start
		Finish Drilling	Rig Release	Rig Off Location	
MILES 2 / 2		06/30/2008			07/03/2008
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode
	9:00 -		PROD		
				WELL TURNED TO SALES @ 0900 HR ON 07/06/2008 – FTP 2200#, CP 2625#, CK 18/64", 1100 MCFD, 1080 BWPD	
7/7/2008	<u>SUPERVISOR:</u> JEFF SAMUELS				<u>MD:</u>
	7:00 -		33	A	7 AM FLBK REPORT: CP 2400#, TP 2050#, 20/64" CK, 40 BWPH, TRACE SAND, - GAS
					TTL BBLS RECOVERED: 8321
					BBLS LEFT TO RECOVER: 9548
7/8/2008	<u>SUPERVISOR:</u> JEFF SAMUELS				<u>MD:</u>
	7:00 -		33	A	7 AM FLBK REPORT: CP 3000#, TP 1975#, 20/64" CK, 35 BWPH, TRACE SAND, - GAS
					TTL BBLS RECOVERED: 9161
					BBLS LEFT TO RECOVER: 8708

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion: ☒ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE LP

3. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements) *

At surface

SW/NW 1818'FNL, 851'FWL

At top prod. interval reported below

At total depth

14. Date Spudded

04/11/08

15. Date T.D. Reached

05/21/08

16. Date Completed

☐ D & A ☒ Ready to Prod.
07/06/08

18. Total Depth: MD 9884'
TVD

19. Plug Back T.D.: MD 9710'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL-CCL-GR

22. Was well cored? ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐ Yes (Submit copy)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2500'		655 SX			
7 7/8"	4 1/2"	11.6#		9884'		1650 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	9274'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7834'	9628'	7834'-9628'	0.36	320	OPEN
B) WSMVD						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
7834'-9628'	PMP 17,869 BBLS SLICK H2O & 670,603# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/06/08	07/14/08	24	→	120	1,948	441			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
17/64		2466#	→	120	1948	441			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						RECEIVED
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						AUG 11 2008

(See instructions and spaces for additional data on reverse side)

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER MAHOGANY WASATCH MESAVERDE	1692' 2390' 5052' 7811'	2390' 5052' 7811'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 5. Core Analysis 7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) SHEILA UPCHEGOTitle REGULATORY ANALYSTSignature Date 08/07/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-13E			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1818 FNL 0851 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 13 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047392440000			
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/30/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH FORMATIONS. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.					
Accepted by the Utah Division of Oil, Gas and Mining Date: <u>July 22, 2009</u> By: <u>[Signature]</u>					
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst			
SIGNATURE N/A	DATE 7/22/2009				

RECEIVED July 22, 2009



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047392440000

In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch and Mesaverde formations in this well is allowed.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: July 22, 2009
By: Dan K. Quist

Name: NBU 921-13E
Location: SWNW 13 9S 21E
Uintah County, UT
Date: 7/15/09

ELEVATIONS: 4818 GL 4832 KB

TOTAL DEPTH: 9874

PBTD: 9829

SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2482'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9874'
Marker Joint **4959 - 4974'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1692' Green River
2027' Birds Nest
2390' Mahogany
5052' Wasatch
7811' Mesaverde

CBL indicates good cement below 3500'

GENERAL:

- A minimum of **9** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 6/21/08
- **4** fracturing stages required for coverage.
- Procedure calls for **5** CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above).
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**

- If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40mesh resin coated sand last 5,000# of all frac stages
- Tubing Currently Landed @~9274
- Originally completed on 7/2/08

Existing Perforations:

PERFORATIONS							
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>	<u>Reason</u>
MESA VERDE		7834	7836	4	8		PRODUCTION
MESA VERDE		7850	7854	4	16		PRODUCTION
MESA VERDE		7932	7936	4	16		PRODUCTION
MESA VERDE		7950	7952	4	8		PRODUCTION
MESA VERDE		8036	8038	4	8		PRODUCTION
MESA VERDE		8042	8044	4	8		PRODUCTION
MESA VERDE		8050	8056	4	24		PRODUCTION
MESA VERDE		8432	8438	4	24		PRODUCTION
MESA VERDE		8466	8468	4	8		PRODUCTION
MESA VERDE		8514	8518	4	16		PRODUCTION
MESA VERDE		8646	8648	4	8		PRODUCTION
MESA VERDE		8662	8664	4	8		PRODUCTION
MESA VERDE		8729	8731	4	8		PRODUCTION
MESA VERDE		8796	8800	4	16		PRODUCTION
MESA VERDE		8812	8814	4	8		PRODUCTION
MESA VERDE		9078	9080	4	8		PRODUCTION
MESA VERDE		9100	9102	4	8		PRODUCTION
MESA VERDE		9130	9134	4	16		PRODUCTION
MESA VERDE		9194	9198	4	16		PRODUCTION
MESA VERDE		9292	9294	4	8		PRODUCTION
MESA VERDE		9306	9308	4	8		PRODUCTION
MESA VERDE		9374	9376	4	8		PRODUCTION
MESA VERDE		9424	9428	4	16		PRODUCTION
MESA VERDE		9530	9538	4	32		PRODUCTION
MESA VERDE		9556	9558	4	8		PRODUCTION
MESA VERDE		9626	9628	4	8		PRODUCTION

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9274'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7626' (50' below proposed CBP). Otherwise P/U a mill and C/O to 7626' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7576'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7490	7498	3	24
WASATCH	7542	7546	4	16
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7490' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~7164'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7124	7134	4	40
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7124' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~5848'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5668	5678	3	30
WASATCH	5814	5818	3	12
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5668' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~5350'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5310	5320	4	40
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5310' and flush only with recycled water.
13. Set 8000 psi CBP at~5260'.
14. TIH with 3 7/8" mill, pump off sub, SN and tubing.
15. Mill ALL plugs and clean out to PBSD at 9829. Land tubing at ±9274' pump off bit and bit sub. This well WILL be commingled at this time.
16. Clean out well with foam and/or swabbing unit until steady flow has been established from recomple.
17. RDMO

For design questions, please call
Conner Staley, Denver, CO
(720)-929-6419 (Office)

For field implementation questions, please call

RECEIVED July 22, 2009

Fracturing Schedules
Name NBU 921-13E
Slickwater Frac

Recomplete?	Y
Pad?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale inhib., gal.
		Top ft.	Bot. ft.																	
1	WASATCH	7480	7488	3	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7542	7546	4	16	0	ISIP and 5 min ISIP													47
	WASATCH					50	Slickwater Pad				3,690	3,690	88	88	15.0%	0.0%	0	0		11
	WASATCH					50	Slickwater Ramp	0.25	1.5		12,300	15,990	293	381	50.0%	36.7%	10,763	10,763		18
	WASATCH					50	Slickwater Ramp	1.5	3		8,610	24,600	205	586	35.0%	64.3%	19,373	30,135		13
	WASATCH					50	Flush (4-1Q)				4,889	29,489	116	702				30,135		7
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																	30,135	0	
	WASATCH																		47	
	WASATCH										29,489		116	702					143	
	# of Perforstage				40									Flush depth	7490		30,000	36,750	lbs sand/md ft	
						14.0	<< Above pump time (min)										CBP depth	7,164	326	
2	WASATCH	7124	7134	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH					0	ISIP and 5 min ISIP													9
	WASATCH					50	Slickwater Pad				2,835	2,835	68	68	15.0%	0.0%	0	0		14
	WASATCH					50	Slickwater Ramp	0.25	1.5		9,450	12,285	225	294	50.0%	36.7%	8,269	8,269		10
	WASATCH					50	Slickwater Ramp	1.5	3		6,615	18,900	158	450	35.0%	64.3%	14,884	23,154		7
	WASATCH					50	Flush (4-1Q)				4,651	23,551	111	561				23,153		0
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																	23,153	0	
	WASATCH																		38	
	WASATCH										23,551		111	561					78	
	# of Perforstage				40						LOOK		LOOK	Flush depth	7124		30,000	36,750	lbs sand/md ft	
						11.2	<< Above pump time (min)										CBP depth	5,848	1,276	
3	WASATCH	5668	5678	3	30	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5814	5818	3	12	0	ISIP and 5 min ISIP													28
	WASATCH					50	Slickwater Pad				9,450	9,450	225	225	15.0%	0.0%	0	0		47
	WASATCH					50	Slickwater Ramp	0.25	1.5		31,500	40,950	750	975	50.0%	36.7%	27,563	27,563		33
	WASATCH					50	Slickwater Ramp	1.5	3		22,050	63,000	525	1,500	35.0%	64.3%	49,613	77,175		6
	WASATCH					50	Flush (4-1Q)				3,700	66,700	88	1,588				77,175		0
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																	77,175	0	
	WASATCH																		35	
	WASATCH										66,700		88	1,588					143	
	# of Perforstage				42									Flush depth	5668		30,000	36,750	lbs sand/md ft	
						31.8	<< Above pump time (min)										CBP depth	5,350	318	
4	WASATCH	5310	5320	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH					0	ISIP and 5 min ISIP													15
	WASATCH					50	Slickwater Pad				5,085	5,085	121	121	15.0%	0.0%	0	0		25
	WASATCH					50	Slickwater Ramp	0.25	1.5		16,950	22,035	404	525	50.0%	36.7%	14,831	14,831		18
	WASATCH					50	Slickwater Ramp	1.5	3		11,865	33,900	282	807	35.0%	64.3%	26,696	41,528		5
	WASATCH					50	Flush (4-1Q)				3,466	37,366	83	890				41,528		0
	WASATCH						ISDP and 5 min ISDP												0	
	WASATCH																	41,528	0	
	WASATCH																		0	
	WASATCH										37,366		83	890					64	
	# of Perforstage				40									Flush depth	5310		30,000	36,750	lbs sand/md ft	
						17.8	<< Above pump time (min)				Total Fluid	157,106	gals	3,741	bbls		Total Sand	171,990	56	
	Totals				162							3,741	bbls		8.3	trucks			Total Scale Inhib.	433
						1.2														

Name NBU 921-13E
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	7490	7498	3	24	7485	to	7508
	WASATCH	7542	7546	4	16	7537.5	to	7546.5
					Look			
	# of Perfs/stage				40	CBP DEPTH	7,164	
2	WASATCH	7124	7134	4	40	7122	to	7139.5
					Look			
	# of Perfs/stage				40	CBP DEPTH	5,848	
3	WASATCH	5668	5678	3	30	5666	to	5699
	WASATCH	5814	5818	3	12	5807	to	5822
					Look			
	# of Perfs/stage				42	CBP DEPTH	5,350	
4	WASATCH	5310	5320	4	40	5307	to	5331.5
	# of Perfs/stage				40	CBP DEPTH	5,260	

Stage	Zone	Perfs		Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top. ft.	Bot. ft																
1	WASATCH	7490	7498	3	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7542	7546	4	50	ISIP and 5 min ISIP			Slickwater	3,690	3,690	88	88	15.0%	0.0%	0	0		47
	WASATCH				50	Slickwater Pad	0.25	1.5	Slickwater	12,300	15,990	293	381	50.0%	35.7%	10,763	10,763		11
	WASATCH				50	Slickwater Ramp	1.5	3	Slickwater	8,610	24,600	205	586	35.0%	64.3%	19,373	30,135		18
	WASATCH				50	Flush (4-1/2)			Slickwater	4,889	29,489	116	702				30,135		13
	WASATCH					ISDP and 5 min ISDP			Slickwater										7
	WASATCH								Slickwater										0
2	WASATCH																		0
	WASATCH																		0
	WASATCH																		0
	WASATCH																		0
	WASATCH																		0
	WASATCH																		0
	WASATCH																		0
3	WASATCH	7124	7134	4	14.0	Pump-in test			Slickwater		0	0	0						
	WASATCH				Varied	ISIP and 5 min ISIP			Slickwater	2,835	2,835	68	68	15.0%	0.0%	0	0		9
	WASATCH				50	Slickwater Pad	0.25	1.5	Slickwater	12,285	12,285	225	293	50.0%	35.7%	8,269	8,269		14
	WASATCH				50	Slickwater Ramp	1.5	3	Slickwater	6,615	18,900	158	450	35.0%	64.3%	14,884	23,153		10
	WASATCH				50	Flush (4-1/2)			Slickwater	4,651	23,551	111	561				23,153		7
	WASATCH					ISDP and 5 min ISDP			Slickwater										0
	WASATCH								Slickwater										0
4	WASATCH	5668	5678	3	11.2	Pump-in test			Slickwater		0	0	0						
	WASATCH	5814	5818	3	Varied	ISIP and 5 min ISIP			Slickwater	9,450	9,450	225	225	15.0%	0.0%	0	0		28
	WASATCH				50	Slickwater Pad	0.25	1.5	Slickwater	31,500	40,950	750	975	50.0%	35.7%	27,563	27,563		47
	WASATCH				50	Slickwater Ramp	1.5	3	Slickwater	22,050	63,000	525	1,500	35.0%	64.3%	49,613	77,175		33
	WASATCH				50	Flush (4-1/2)			Slickwater	3,700	66,700	88	1,588				77,175		6
	WASATCH					ISDP and 5 min ISDP			Slickwater										0
	WASATCH								Slickwater										0
5	WASATCH	5310	5320	4	31.8	Pump-in test			Slickwater		0	0	0						
	WASATCH				Varied	ISIP and 5 min ISIP			Slickwater	5,085	5,085	121	121	15.0%	0.0%	0	0		15
	WASATCH				50	Slickwater Pad	0.25	1.5	Slickwater	16,950	22,035	404	525	50.0%	35.7%	14,831	14,831		25
	WASATCH				50	Slickwater Ramp	1.5	3	Slickwater	11,865	33,900	283	807	35.0%	64.3%	26,696	41,528		18
	WASATCH				50	Flush (4-1/2)			Slickwater	3,466	37,366	83	890				41,528		5
	WASATCH					ISDP and 5 min ISDP			Slickwater										0
	WASATCH								Slickwater										0
Totals					17.8	<< Above pump time (min)				Total Fluid	157,106 gals	Flush depth	5310			Total Sand	171,990		
					1.2	<< Above pump time (min)				3,741 bbls	3,741 bbls	8.3 tanks				Total Scale Inhib. =	433		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01193
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-13E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1818 FNL 0851 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 13 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047392440000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/25/2009	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE WASATCH AND MESAVERDE FORMATIONS, AND HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS RETURNED THE SUBJECT WELL LOCATION BACK TO PRODUCTION ON 08/25/2009 AT 10:00 AM. PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.		
NAME (PLEASE PRINT) Sheila Wopsock		PHONE NUMBER 435 781-7024
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 9/1/2009		FOR RECORD ONLY September 02, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-13E Spud Conductor: 4/11/2008 Spud Date: 4/21/2008
Project: UTAH-UINTAH Site: NBU 921-13E Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD Start Date: 8/13/2009 End Date: 8/19/2009
Active Datum: RKB @4,832.00ft (above Mean Sea Level) UWI: NBU 921-13E

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/13/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. CHECK FOR H2S NONE PRESENT. RIGGING UP & ND WH & NU BOP
	7:30 - 15:00	7.50	COMP	31	I	P		MIRU SPOT IN EQUIPMENT. FCP 375 PSI. BLOW WELL DOWN. PUMP 20 BBLS OF 2% KCL DWN TBG. WELL DEAD. ND WELL HEAD NU BOP. POOH W/ 293 JTS OF 2 3/8" L-80 TBG. TUBING LOOKED VERY GOOD NO SCALE. SWI SDFN
8/14/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. WIRE LINE WORK & PRESSURE TESTING CASINIG & FRAC VALVES.
	7:30 - 15:00	7.50	COMP	34	I	P		SICP 450 PSI. BLOW WELL DOWN TO 200 PSI. MIRU CASED HOLE SOLUTIONS TO SET CBP & TO PERF ZONE 1. PU 4 1/2" 10K HALLIBURTON CBP & RIH SET CBP @ 7,576'. POOH W/ WIRE LINE. FILL HOLES W/ 2% KCL WATER. ND BOP NU FRAC VALVES. MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 6,200 PSI. PRESSURE FELL OFF 150 PSI VERY 2 MINUTES. PU 4 1/2" 8K HALLIBURTON CBP RIH SET CBP @ 7,565'. POOH W/ WIRE LINE. PRESSURE TEST AGAIN TO 6,200 PSI CASING & BOTH FRAC VALVES. GOOD TEST. PU 3 3/8" EXP GNS 23 GRM .36 HOLES 90 & 120 DEG PHASING. RIH PERF FROM 7,490' - 98' 3SPF, 7,542' - 46' 4SPF, 40 HOLLES. POOH W/ WIRE LINE. PREPED TO FRAC ON MONDAY. SWI SDFWE.
8/17/2009	6:00 - 6:30	0.50	COMP	48		P		HSM. FRACING W/ SCHLUMBERGER AND PERF W/ CASED HOLE.
	6:30 - 6:55	0.42	COMP	36	E	P		PRIME UP PUMPS AND LINES, PRESSURE TEST SURFACE LINES TO 7200# PSI. (STG 1) WHP 0 PSI, BRK @ 2872 PSI, 6.4 BPM, ISIP 1250 PSI, FG .59 PUMPED 100 BBLS @ 49.7 BPM @4350 PSI = 77% HOLES OPEN. MP 5455 PSI, MR 49.8, AP 3847 PSI, AR 41.3 BPM, ISIP 2400 PSI, FG .75. NPI 1150 PSI, PMPD 799 BBLS SW & 24,620 LBS 30/50 SND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 29,620 LBS.
	6:55 - 8:26	1.52	COMP	36	E	P		(STG 2) PU 4 1/2 CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET 8K HAL CBP @ 7164', & PERF WASATCH 7124'-34' 4 SPF 40 HLS. WHP 570 PSI, BRK @ 3155 PSI, 6.3 BPM, ISIP 1950 PSI, FG .70 PUMPED 100 BBLS @ 49.7 BPM @ 3898 PSI = 100% HOLES OPEN. MP 4541 PSI, MR 49.8, AP 3447 PSI, AR 45.3 BPM, ISIP 1900 PSI, FG .70. NPI -50 PSI, PMPD 559 BBLS SW & 18,407 LBS 30/50 SND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 23,407 LBS.

RECEIVED September 01, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-13E		Spud Conductor: 4/11/2008		Spud Date: 4/21/2008	
Project: UTAH-UINTAH		Site: NBU 921-13E			Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 8/13/2009		End Date: 8/19/2009	
Active Datum: RKB @4,832.00ft (above Mean Sea Level)			UWI: NBU 921-13E		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:26 - 9:56	1.50	COMP	36	E	P		(STG 3) PU 41/2 CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. SET 8K HAL CBP @ 5848', & PERF WASATCH 5814'-18' 3 SPF, 5668'-78' 3 SPF, 42 HLS. WHP 60 PSI, BRK @ 1304 PSI, 6.4 BPM, ISIP 900 PSI, FG .59 PUMPED 100 BBLS @ 51.6 BPM @ 2500 PSI = 100% HOLES OPEN. MP 3534 PSI, MR 51.7, AP 2251 PSI, AR 48 BPM, ISIP 1200 PSI, FG .64. NPI 300 PSI, PMPD 1613 BBLS SW & 75,836 LBS 30/50 SND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 80,836 LBS.
	9:56 - 15:30	5.57	COMP	36	E	P		(STG 4) PU 41/2 CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET 8K HAL CBP @ 5350', & PERF WASATCH 5310'-20' 4 SPF 40 HLS WHP 75 PSI, BRK @ 1691 PSI, 6.4 BPM, ISIP 450 PSI, FG .51. PUMPED 100 BBLS @ 51.7 BPM @ 2834 PSI = 80% HOLES OPEN. MP 3308 PSI, MR 52.1, AP 2515 PSI, AR 46.7 BPM, ISIP 1550 PSI, FG .72. NPI 1100 PSI, PMPD 926 BBLS SW & 40,289 LBS 30/50 SND & 5,000 LBS OF 20/40 RESIN SAND. TOTAL PROP 45,289 LBS.
								(KILL PLUG) PU 41/2 HAL CBP RIH SET @ 5260'. POOH W/ WIRE LINE, RDMO CASED HOLE SOLUTIONS AND SCHLUMBERGER SERVICES. ND FRAC VALVE, NU BOPS, P/U RIH W/ 3 7/8 BIT, POBS, 1.875 X/N & 157 JTS 23/8 L-80 TBG EOT @ 5240', RU DRLG EQUIP PREP TO DRILL PLUGS IN AM, SWI SDFN.
8/18/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ POWER SWIVEL, PICKING UP AND LAYING DWN TBG OFF FLOAT.

RECEIVED September 01, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-13E	Spud Conductor: 4/11/2008	Spud Date: 4/21/2008
Project: UTAH-UINTAH	Site: NBU 921-13E	Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD	Start Date: 8/13/2009	End Date: 8/19/2009
Active Datum: RKB @4,832.00ft (above Mean Sea Level)	UWI: NBU 921-13E	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	31	I	P		<p>SICP # PSI, BREAK CIRCULATION CONVENTINAL RIH.</p> <p>C/O 0' SAND TAG 1ST PLUG @ 5260' DRL PLG IN 5 MIN. 0 PSI INCREASE RIH.</p> <p>C/O 10' SAND TAG 2ND PLUG @ 5350' DRL PLG IN 7 MIN. 0 PSI INCREASE RIH.</p> <p>C/O 20' SAND TAG 3RD PLUG @ 5848' DRL PLG IN 5 MIN 100 PSI INCREASE RIH.</p> <p>C/O 15' SAND TAG 4TH PLUG @ 7164' DRL PLG IN 10 MIN 200 PSI INCREASE RIH.</p> <p>C/O 10' SAND TAG 5TH PLUG @ 7565' DRL PLG IN 10 MIN 0 PSI INCREASE RIH.</p> <p>C/O 0' SAND TAG 6TH PLUG @ 7576' DRL PLG IN 10 MIN VACUME RIH</p> <p>TO 9416' RU BREAK CIRC W/ AIR/ FOAM IN 1HR 20 MIN, TO UNLOAD HOLE BEFORE GOING ANY DEEPER. KILL TBG RIH TAG UP @ 9575' INSATLL TSF, RU SWIVEL, BREAK CIRC W/ AIR/FOAM, C/O F/ 9575' TO 9691' NOT MAKING ANY HOLE, CIRC WELL CLEAN W/ AIR/FOAM.HANG SWIVEL, L/D 4 JTS KILL TBG REMOVE TSF, L/D 10 MORE JTS EOT @ 9259' TURN WELL OVER TO FLOW TESTERS FOR NIGHT. SDFN.</p>
8/19/2009	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 125#, TP 0#, OPEN/64" CK, 15 BWPH, - SAND, - GAS</p> <p>TTL BBLS RECOVERED: -</p> <p>BBLS LEFT TO RECOVER: -</p> <p>HSM, KILLING WELL AND TRIPPING TBG.</p> <p>SICP 150 PSI, KILL CSG W/ 40 BBLS, POOH W/ TBG L/D POBS AND BIT, BIT HAD SOME BAD MARKS ON IT, POSSIBLE PROBLEM IN WELL @ 9691'. PU RIH W/ 1.875 X/N NOTCHED COLLAR, AND 293 JTS 23/8 L-80 TBG, BROACHING W/ 1.906 BROACH OK, LAND TBG W/ 293 JT 23/8 L-80.ND BOPS NU WH. RU FOAM WELL TO GET TBG FLOWING, RDMOL.</p> <p>MOVE TO BONANZA 1023-11J SDFN.</p> <p>KB = 14'</p> <p>4 1/2" FMC HANGER= .83'</p> <p>293 JTS 23/8 L-80 = 9247.69'</p> <p>1.875 X/N NOTCHED COLLAR=1.05'</p> <p>X/N @ 9262.52'</p> <p>EOT @ 9263.57'</p> <p>TWTR= 3688 BBLS</p> <p>TWR= 1185 BBLS</p> <p>TWLTR=2503 BBLS</p>
	7:00 - 7:30	0.50	COMP	48		P		
	7:30 - 18:00	10.50	COMP	31	I			<p>7 AM FLBK REPORT: CP 1150#, TP 0#, OPEN/64" CK, 0 BWPH, - SAND, - GAS</p> <p>TTL BBLS RECOVERED: 1205</p> <p>BBLS LEFT TO RECOVER: 2483</p> <p>7 AM FLBK REPORT: CP 1000#, TP 625#, 20/64" CK, 6 BWPH, MEDIUM SAND, - GAS</p> <p>TTL BBLS RECOVERED: 1395</p> <p>BBLS LEFT TO RECOVER: 2293</p>
8/20/2009	7:00 -			33	A			
8/21/2009	7:00 -			33	A			

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-13E		Spud Conductor: 4/11/2008	Spud Date: 4/21/2008
Project: UTAH-UINTAH		Site: NBU 921-13E	Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD		Start Date: 8/13/2009	End Date: 8/19/2009
Active Datum: RKB @4,832.00ft (above Mean Sea Level)		UWI: NBU 921-13E	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 HR ON 8/21/09 -
8/22/2009	7:00 -			33	A			FTP 700#, CP 1000#, 1.3 MCFD, 5 BWPD, 20/64 CK
								7 AM FLBK REPORT: CP 1000#, TP 650#, 20/64"
								CK, 3 BWPH, MEDIUM SAND, 1.1 GAS
								TTL BBLS RECOVERED: 1509
8/23/2009	7:00 -			33	A			BBLS LEFT TO RECOVER: 2179
								7 AM FLBK REPORT: CP 950#, TP 650#, 20/64" CK,
								5 BWPH, LIGHT SAND, 1.1 GAS
								TTL BBLS RECOVERED: 1621
8/24/2009	7:00 -			33	A			BBLS LEFT TO RECOVER: 2067
								7 AM FLBK REPORT: CP 950#, TP 650#, 20/64" CK,
								3 BWPH, CLEAN SAND, 1.1 GAS
								TTL BBLS RECOVERED: 1714
								BBLS LEFT TO RECOVER: 1974

RECEIVED September 01, 2009